

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010991.D
 Acq On : 18 Oct 2022 13:21
 Operator : KP/MD
 Sample : N5149-10
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW5-GW-903-905

Quant Time: Oct 18 17:03:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

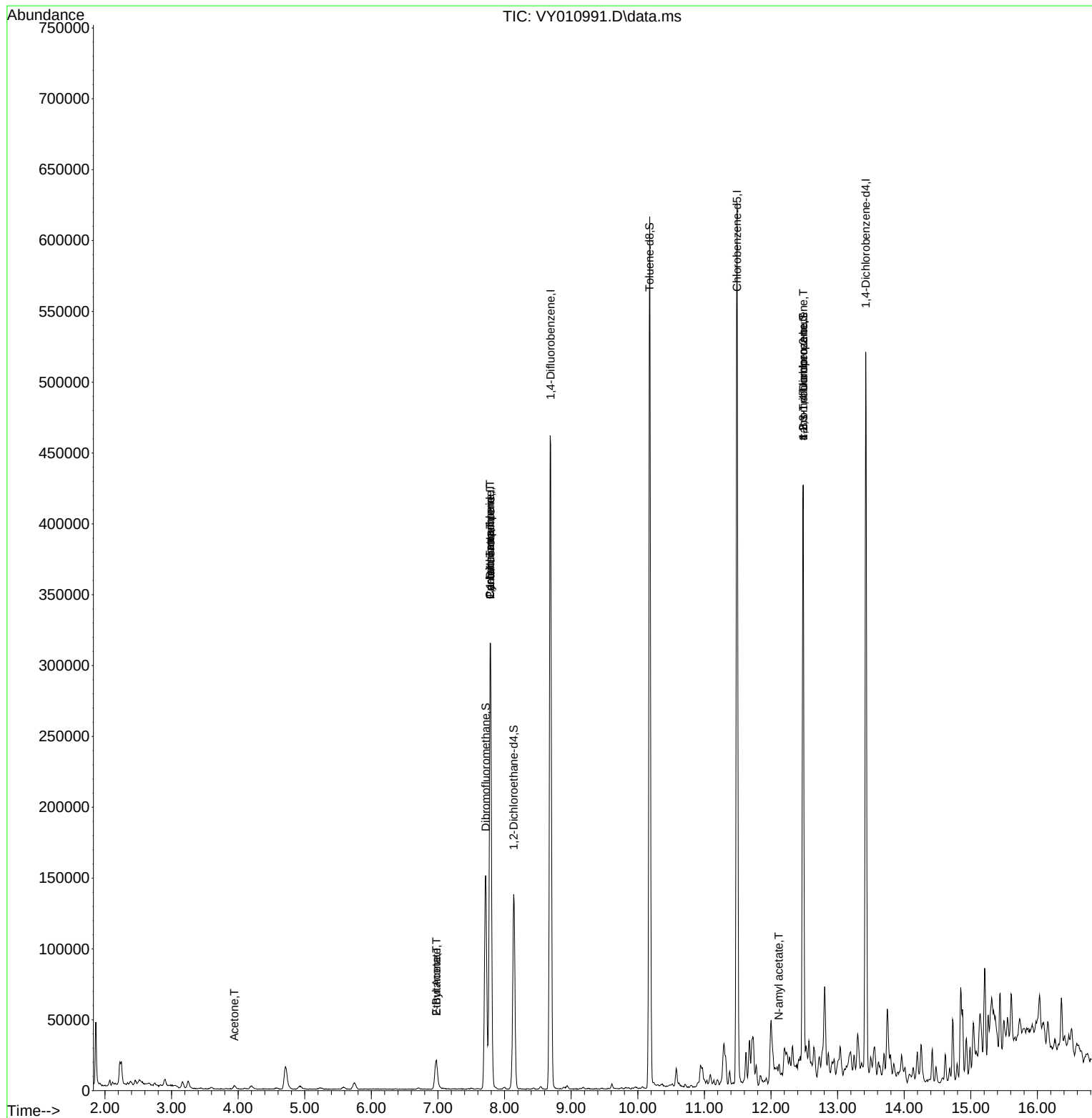
Internal Standards						
1) Pentafluorobenzene	7.789	168	250869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	411309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	343713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	104462	45.205	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.400%
35) Dibromofluoromethane	7.716	113	110573	48.147	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.300%
50) Toluene-d8	10.179	98	393378	45.805	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.600%
62) 4-Bromofluorobenzene	12.483	95	122903	39.771	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	1383	Below Cal	#	77
16) Acetone	3.942	43	4248	6.330	ug/l #	67
18) Methyl Acetate	4.552	43	269	Below Cal	#	56
20) Methylene Chloride	4.710	84	12025	Below Cal	#	84
25) 2-Butanone	6.978	43	2722	2.675	ug/l	95
31) Cyclohexane	7.783	56	5183	1.172	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	19483	5.088	ug/l #	51
37) Ethyl Acetate	6.978	43	2722	1.284	ug/l #	47
38) Carbon Tetrachloride	7.783	117	24719	6.254	ug/l #	15
74) N-amyl acetate	12.118	43	2892	1.194	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	62306	41.756	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	62306	89.806	ug/l #	7

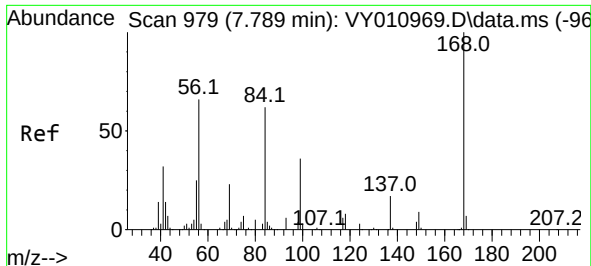
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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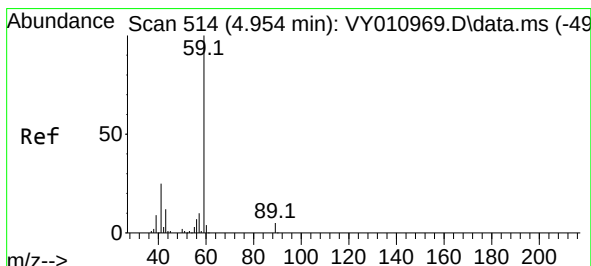
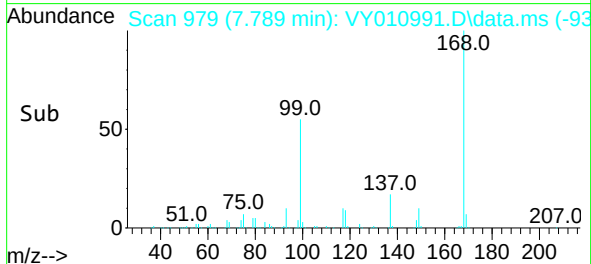
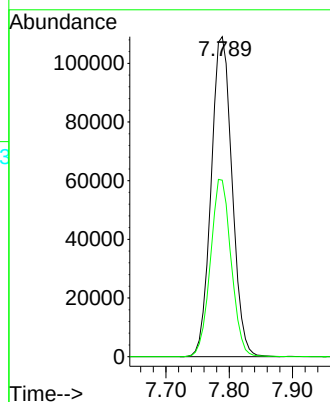
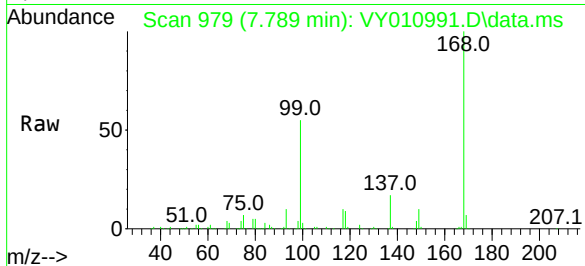




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

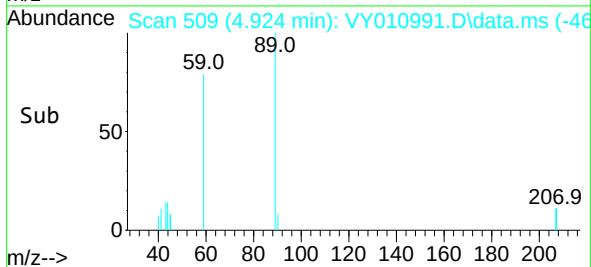
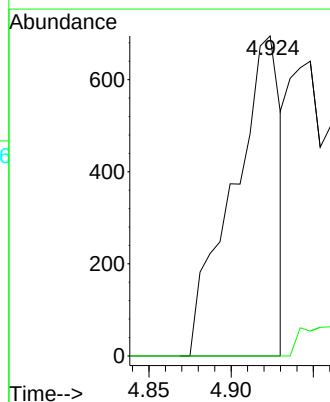
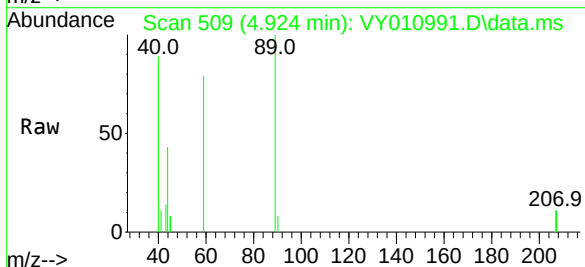
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-903-905

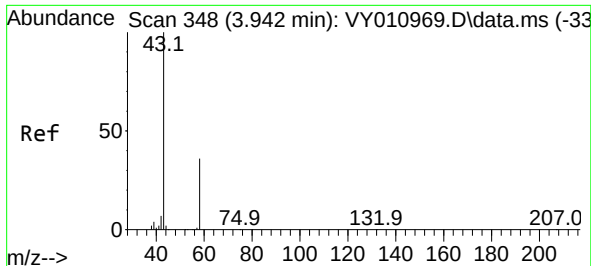
Tgt Ion:168 Resp: 250869
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

Tgt Ion: 59 Resp: 1383
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

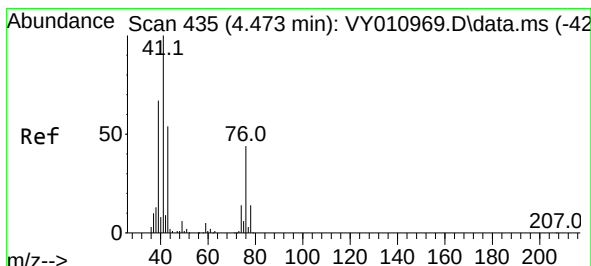
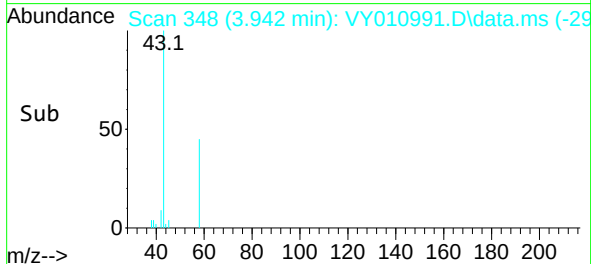
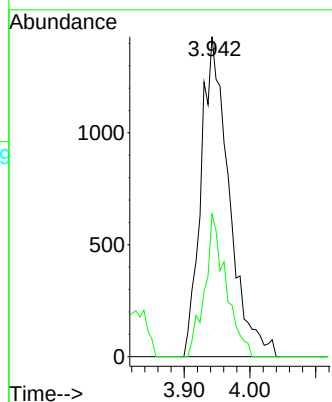
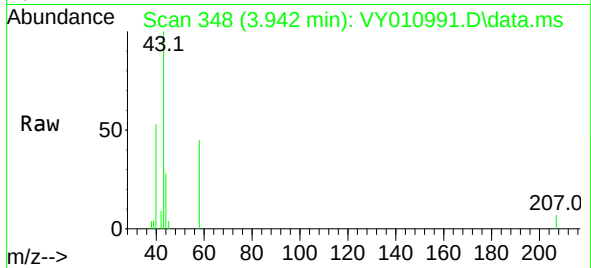




#16
Acetone
Concen: 6.330 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

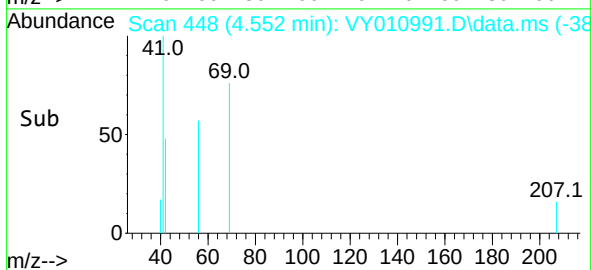
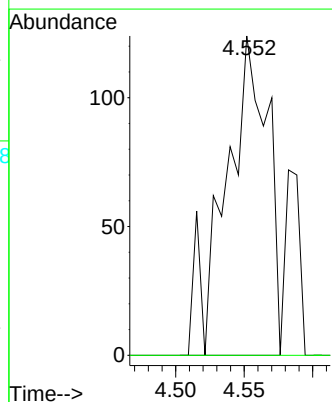
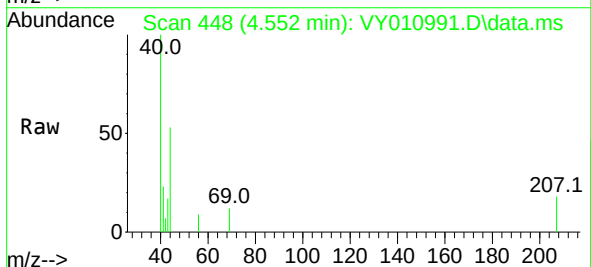
Instrument : MSVOA_Y
ClientSampleId : BP-VPB-RW5-GW-903-905

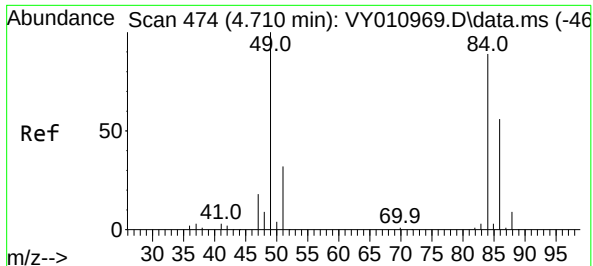
Tgt Ion: 43 Resp: 4248
Ion Ratio Lower Upper
43 100
58 44.5 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.552 min Scan# 448
Delta R.T. 0.079 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

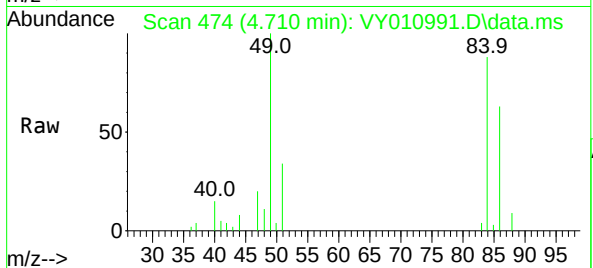
Tgt Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





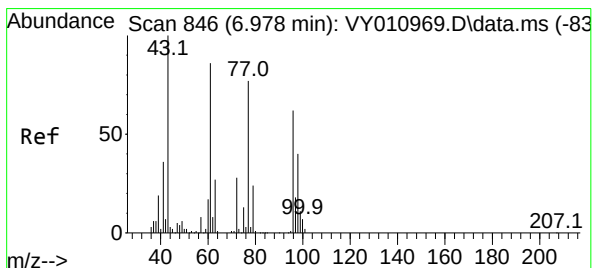
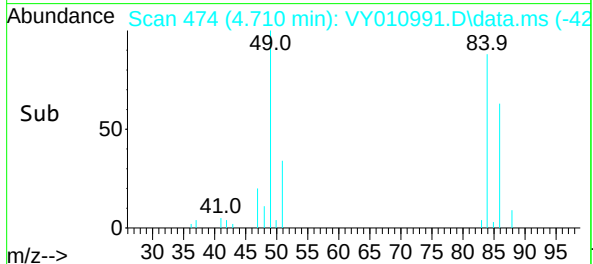
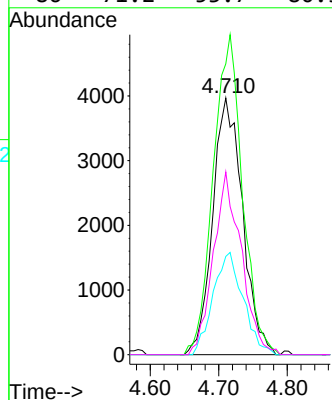
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-903-905



Tgt Ion: 84 Resp: 12025

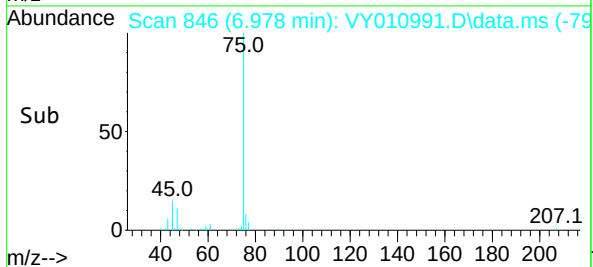
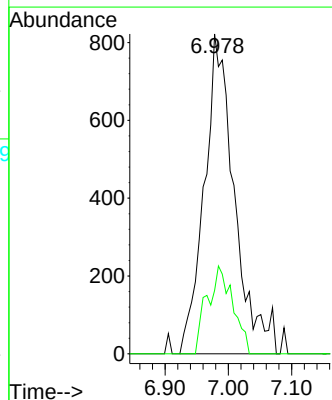
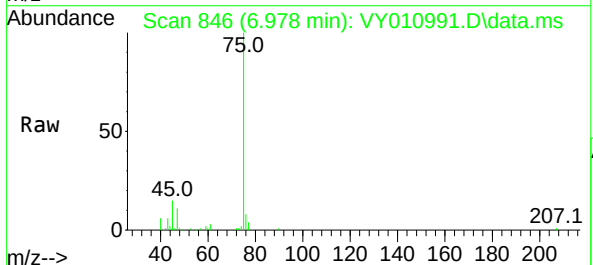
Ion	Ratio	Lower	Upper
84	100		
49	113.3	114.4	171.6#
51	38.3	35.3	52.9
86	71.2	53.7	80.5

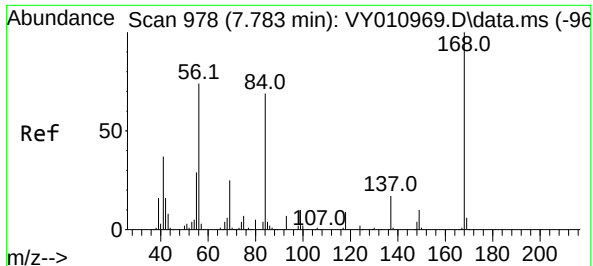


#25
2-Butanone
Concen: 2.675 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

Tgt Ion: 43 Resp: 2722

Ion	Ratio	Lower	Upper
43	100		
72	19.8	17.7	26.5

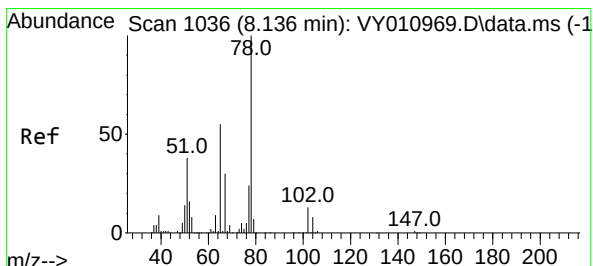
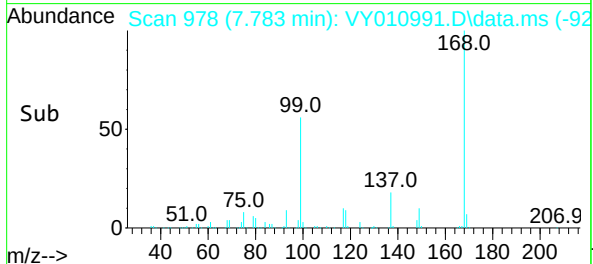
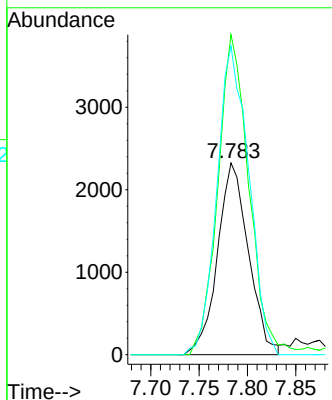
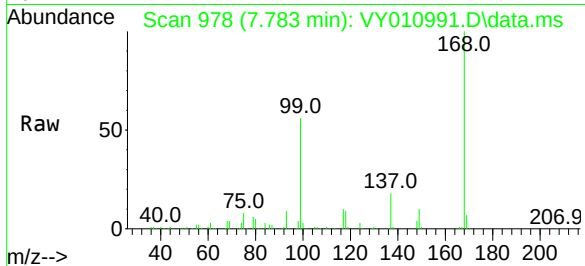




#31
Cyclohexane
Concen: 1.172 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

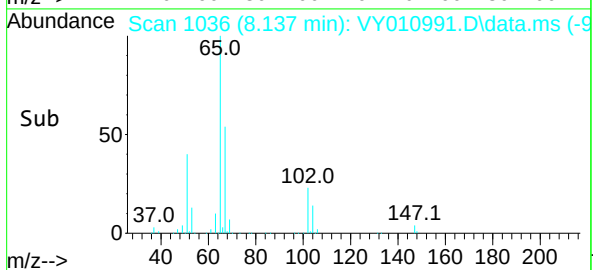
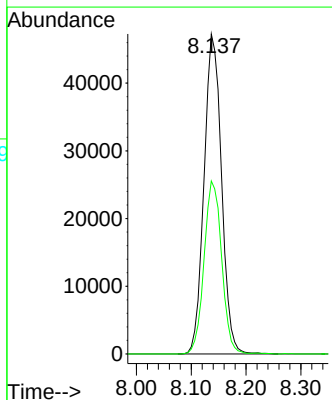
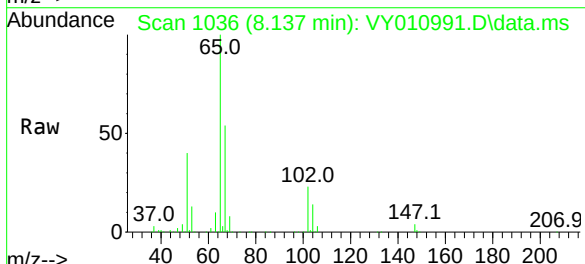
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-903-905

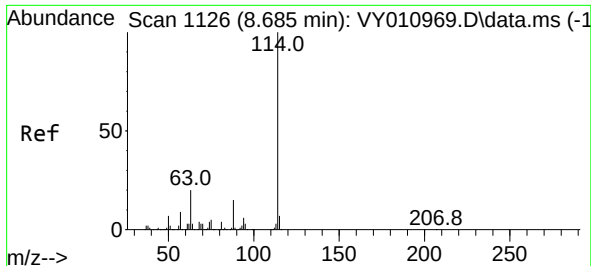
Tgt Ion: 56 Resp: 5183
Ion Ratio Lower Upper
56 100
69 166.9 26.7 40.1#
84 161.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 45.205 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

Tgt Ion: 65 Resp: 104462
Ion Ratio Lower Upper
65 100
67 54.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010991.D

Acq: 18 Oct 2022 13:21

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW5-GW-903-905

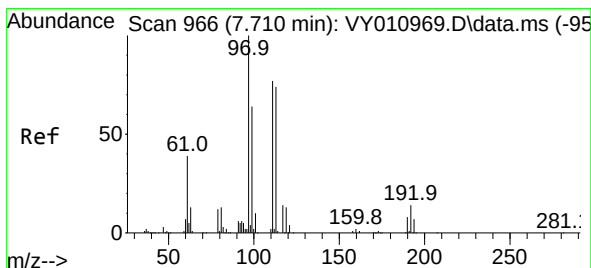
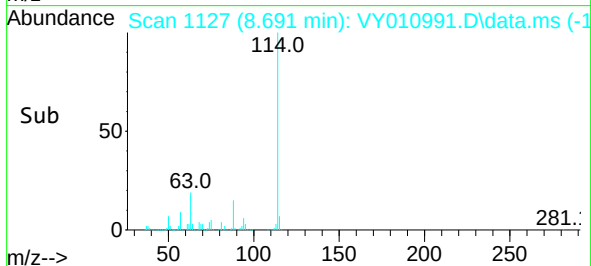
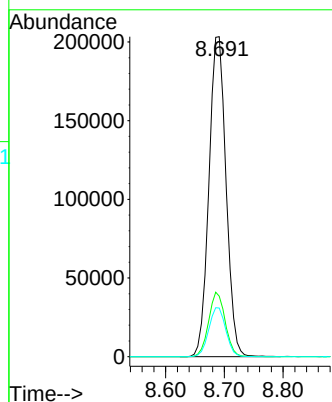
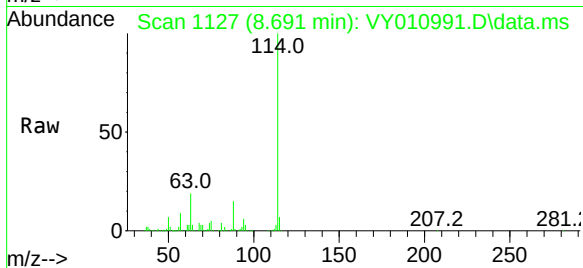
Tgt Ion:114 Resp: 411309

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.147 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010991.D

Acq: 18 Oct 2022 13:21

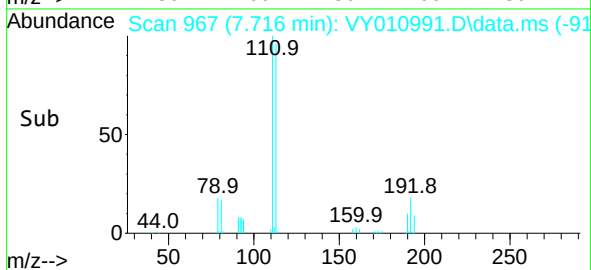
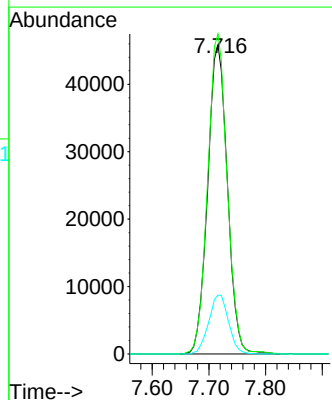
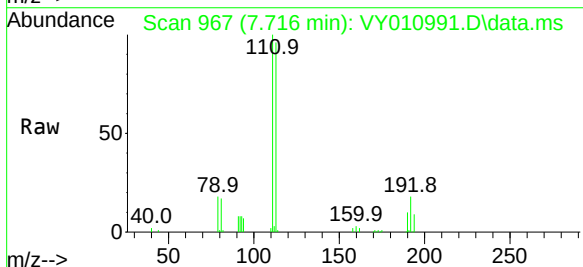
Tgt Ion:113 Resp: 110573

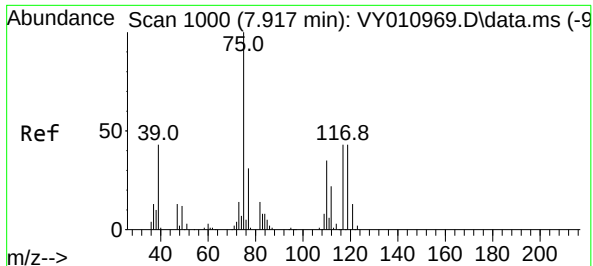
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 19.2 17.6 26.4

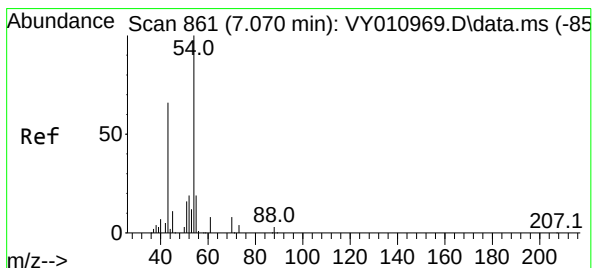
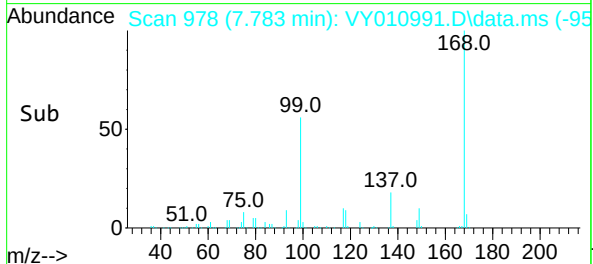
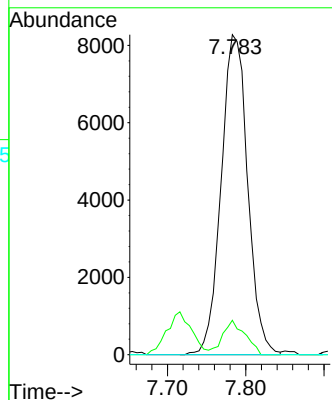
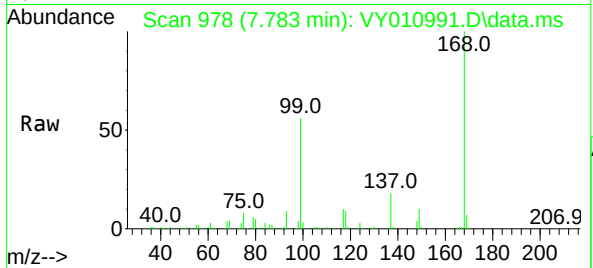




#36
1,1-Dichloropropene
Concen: 5.088 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

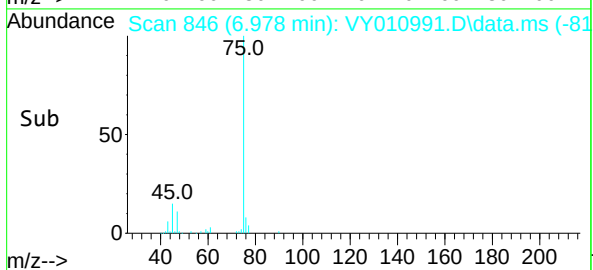
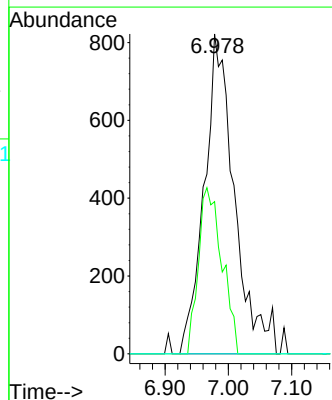
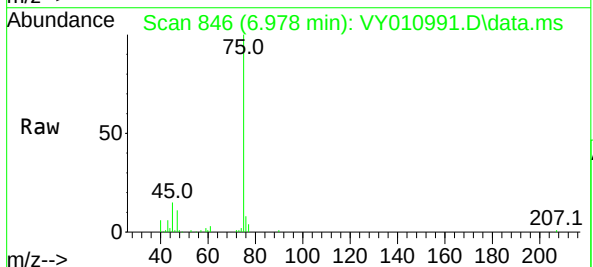
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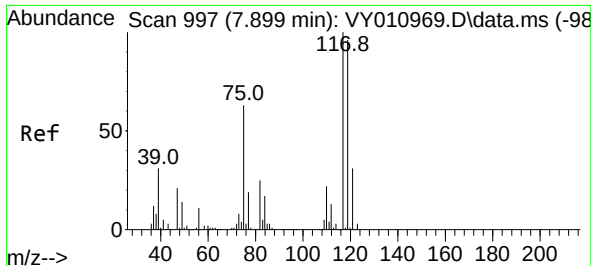
Tgt Ion: 75 Resp: 19483
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.284 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

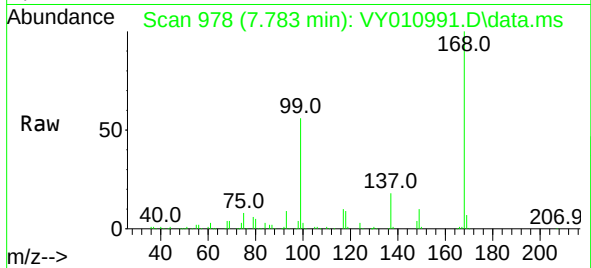
Tgt Ion: 43 Resp: 2722
Ion Ratio Lower Upper
43 100
61 40.6 9.7 14.5#
70 0.0 7.1 10.7#



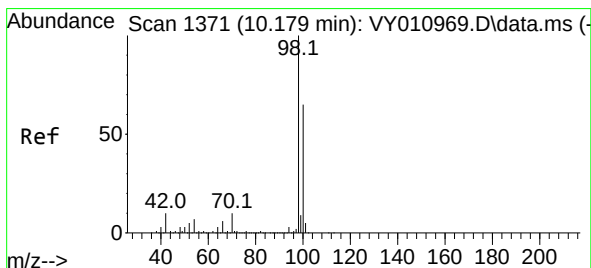
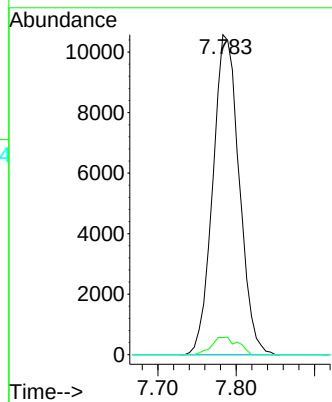
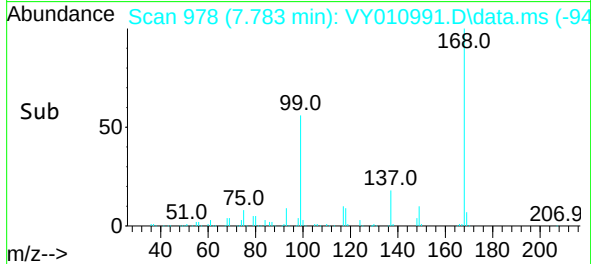


#38
Carbon Tetrachloride
Concen: 6.254 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-903-905

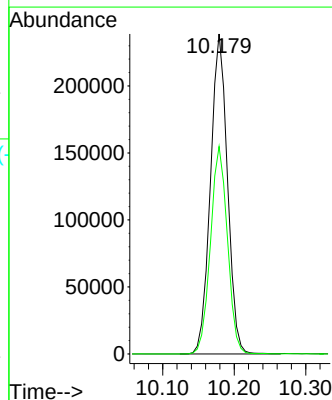
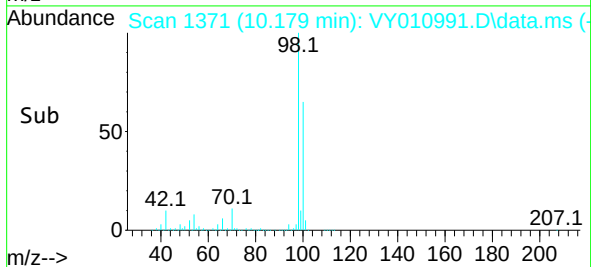
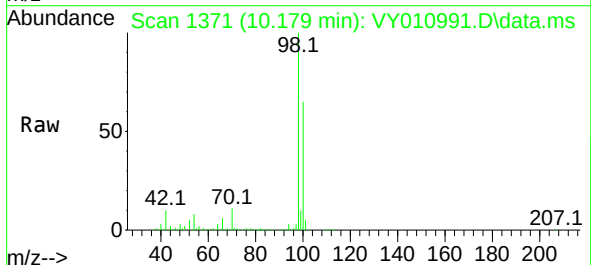


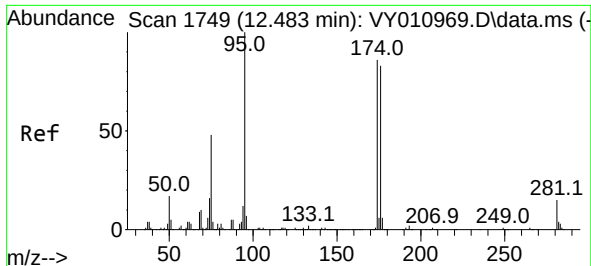
Tgt Ion:117 Resp: 24719
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.805 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

Tgt Ion: 98 Resp: 393378
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 39.771 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010991.D

Acq: 18 Oct 2022 13:21

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW5-GW-903-905

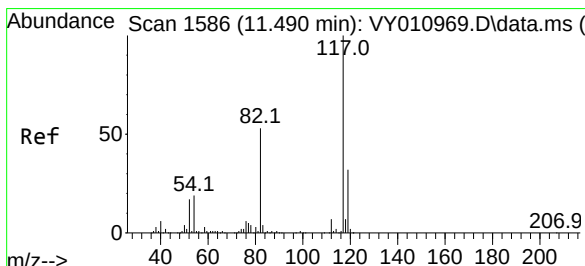
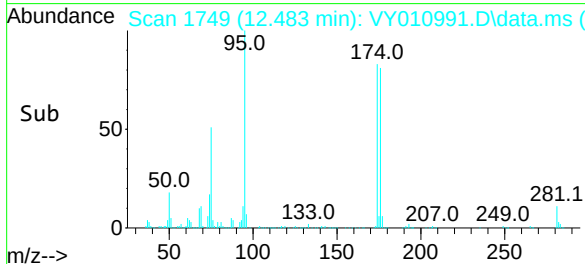
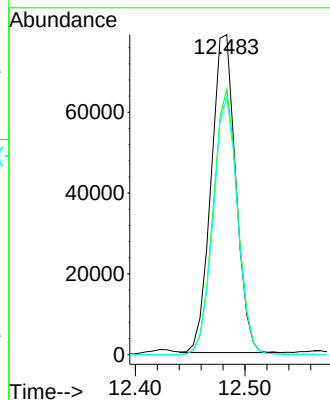
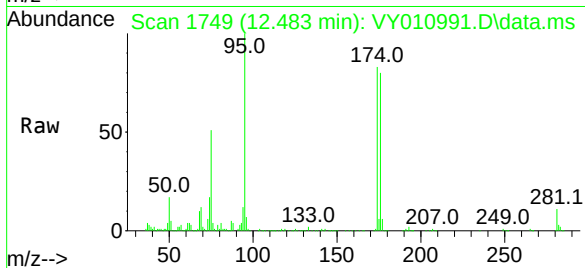
Tgt Ion: 95 Resp: 122903

Ion Ratio Lower Upper

95 100

174 83.0 0.0 177.0

176 80.2 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY010991.D

Acq: 18 Oct 2022 13:21

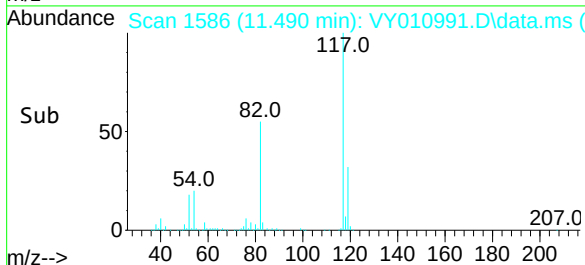
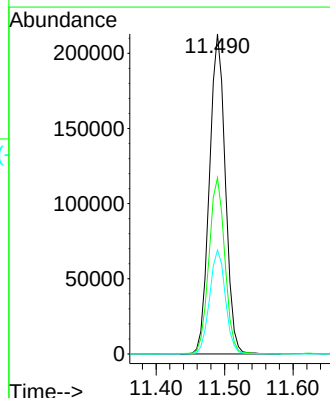
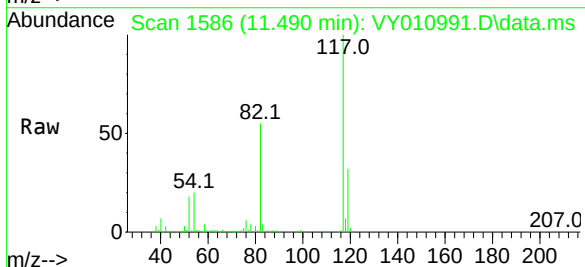
Tgt Ion: 117 Resp: 343713

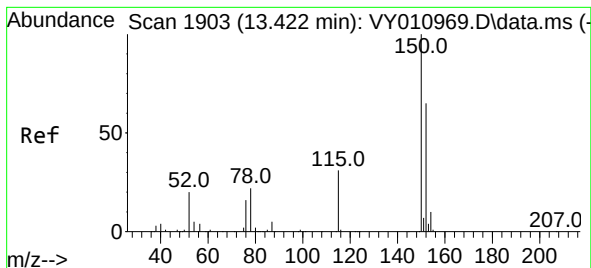
Ion Ratio Lower Upper

117 100

82 55.0 43.0 64.4

119 32.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010991.D

Acq: 18 Oct 2022 13:21

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW5-GW-903-905

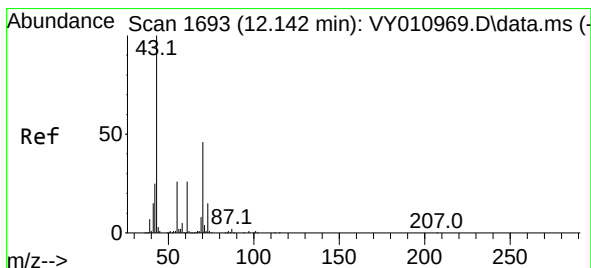
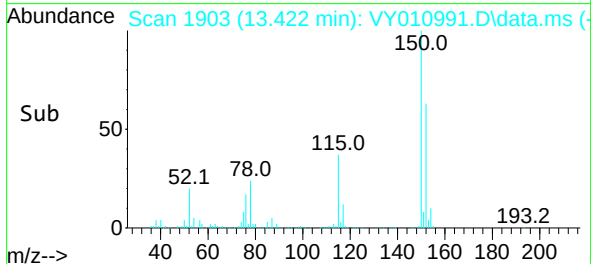
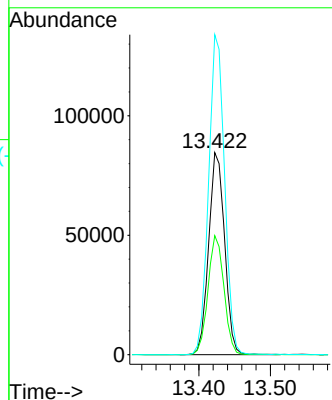
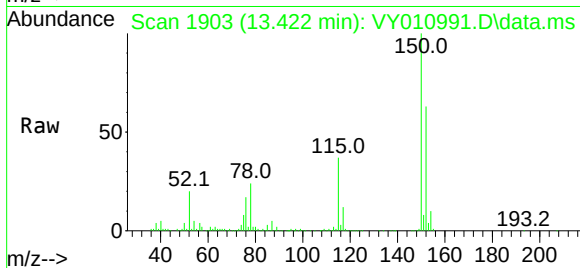
Tgt Ion:152 Resp: 131428

Ion Ratio Lower Upper

152 100

115 59.0 28.2 84.7

150 158.0 0.0 347.6



#74

N-ethyl acetate

Concen: 1.194 ug/l

RT: 12.118 min Scan# 1689

Delta R.T. -0.024 min

Lab File: VY010991.D

Acq: 18 Oct 2022 13:21

Tgt Ion: 43 Resp: 2892

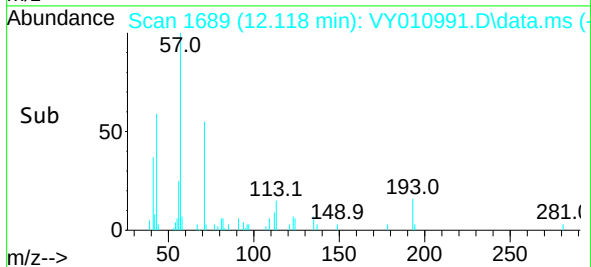
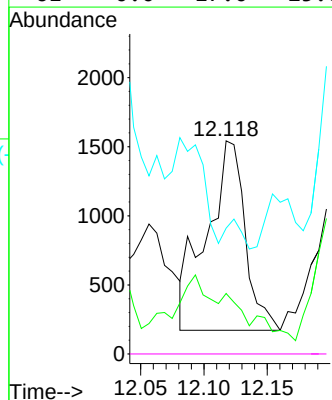
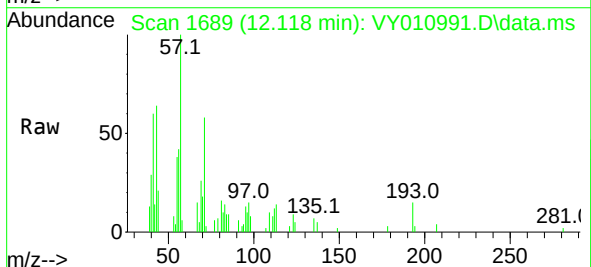
Ion Ratio Lower Upper

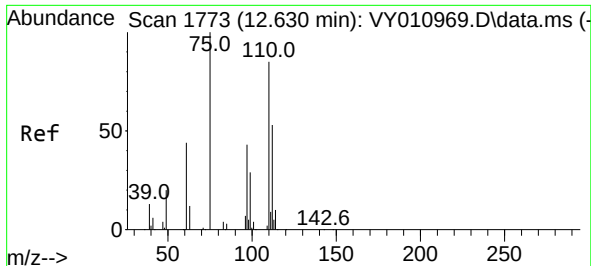
43 100

70 0.0 28.7 43.1#

55 0.0 17.3 25.9#

61 0.0 17.0 25.6#

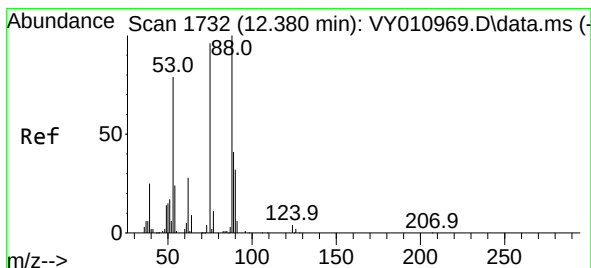
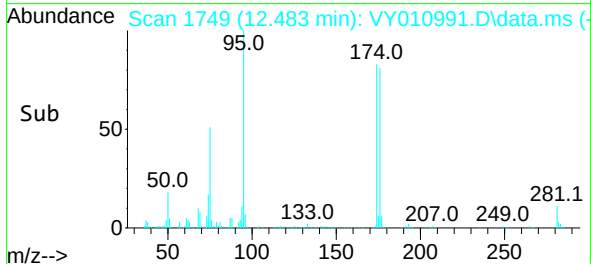
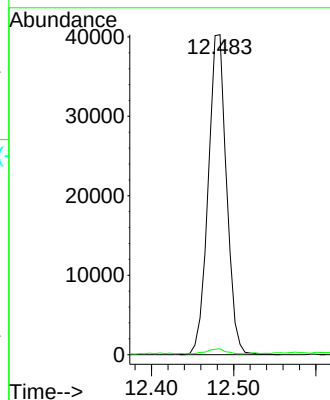
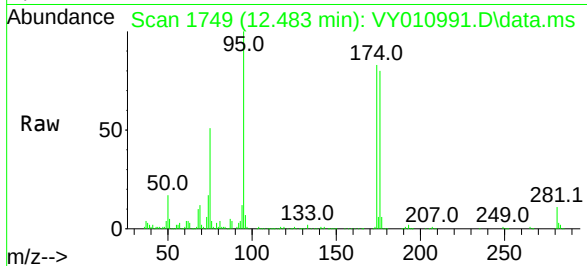




#76
1,2,3-Trichloropropane
Concen: 41.756 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-903-905

Tgt Ion: 75 Resp: 62306
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.806 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY010991.D
Acq: 18 Oct 2022 13:21

Tgt Ion: 75 Resp: 62306
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.2 37.0 55.4#

